

1/17

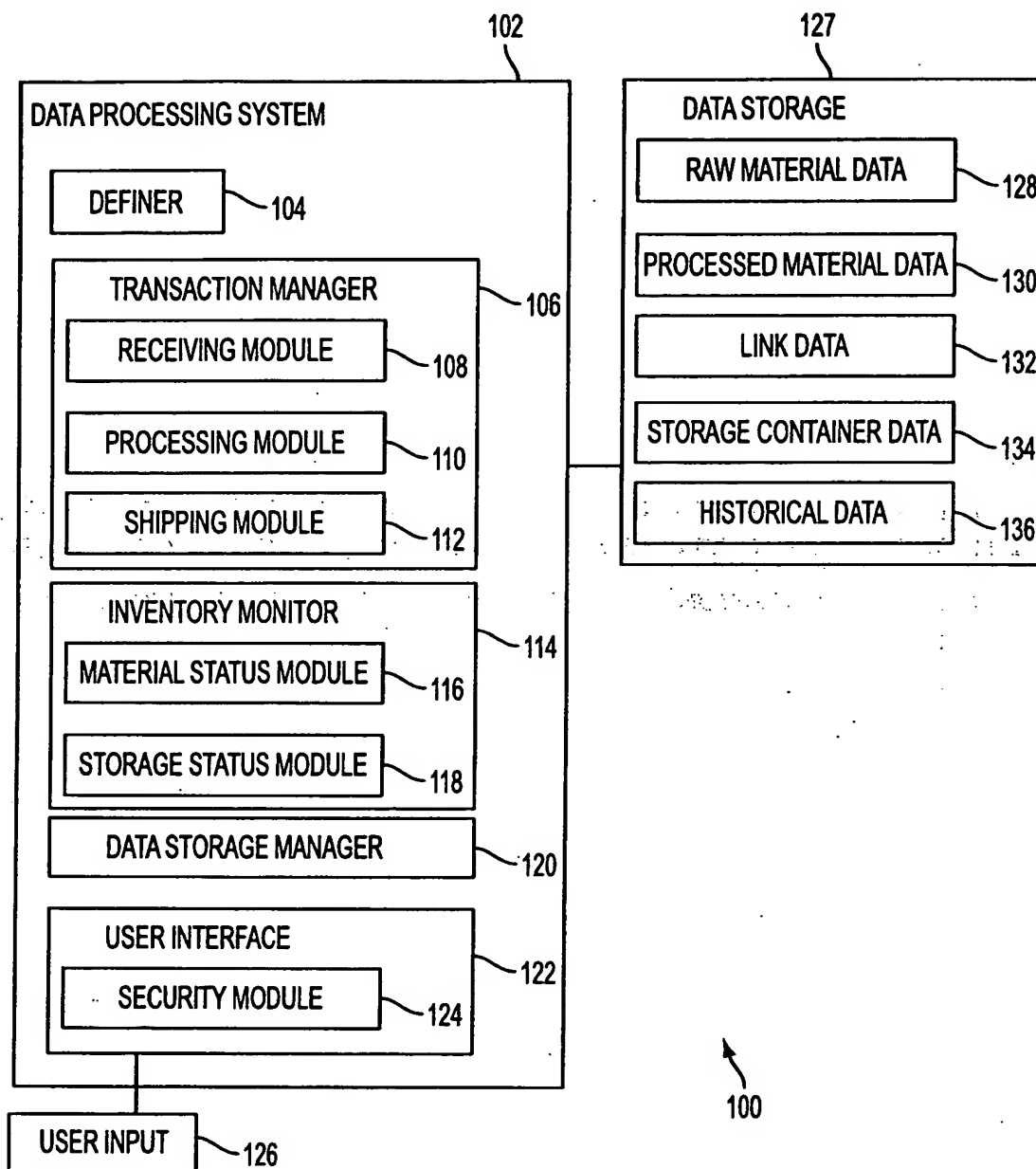


FIG. 1

2/17

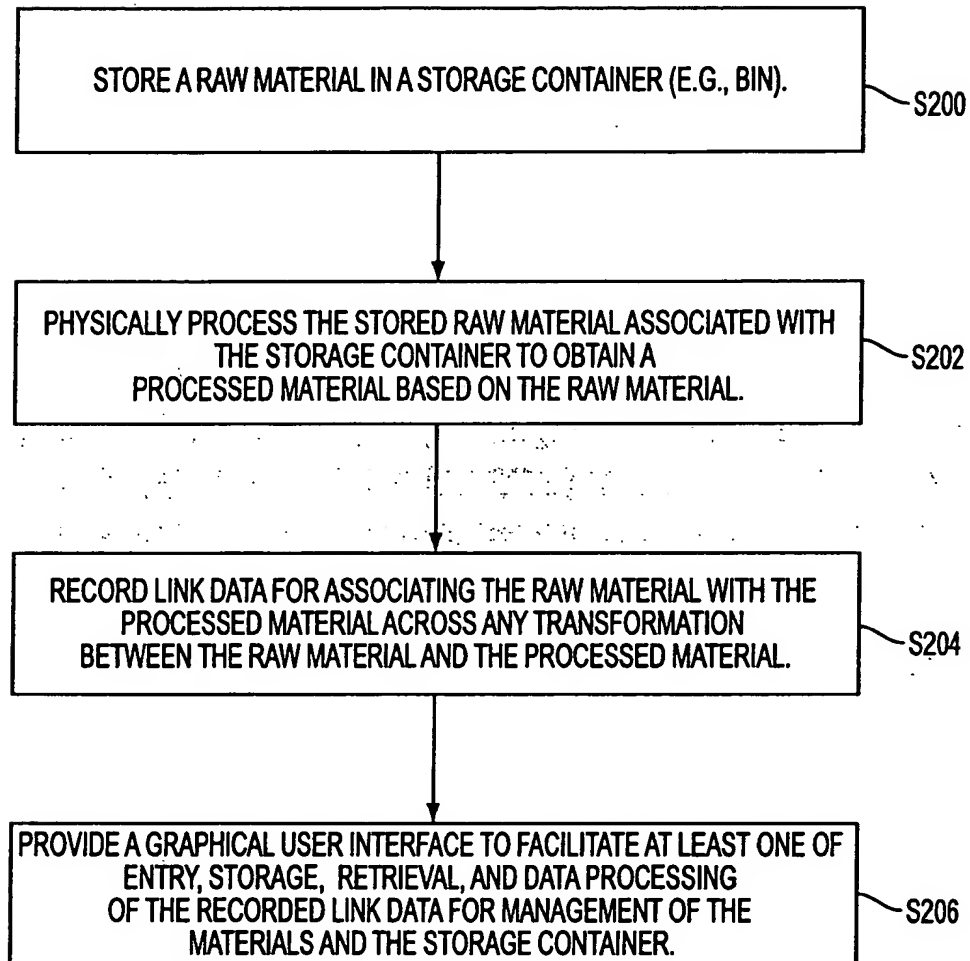


FIG. 2

3/17

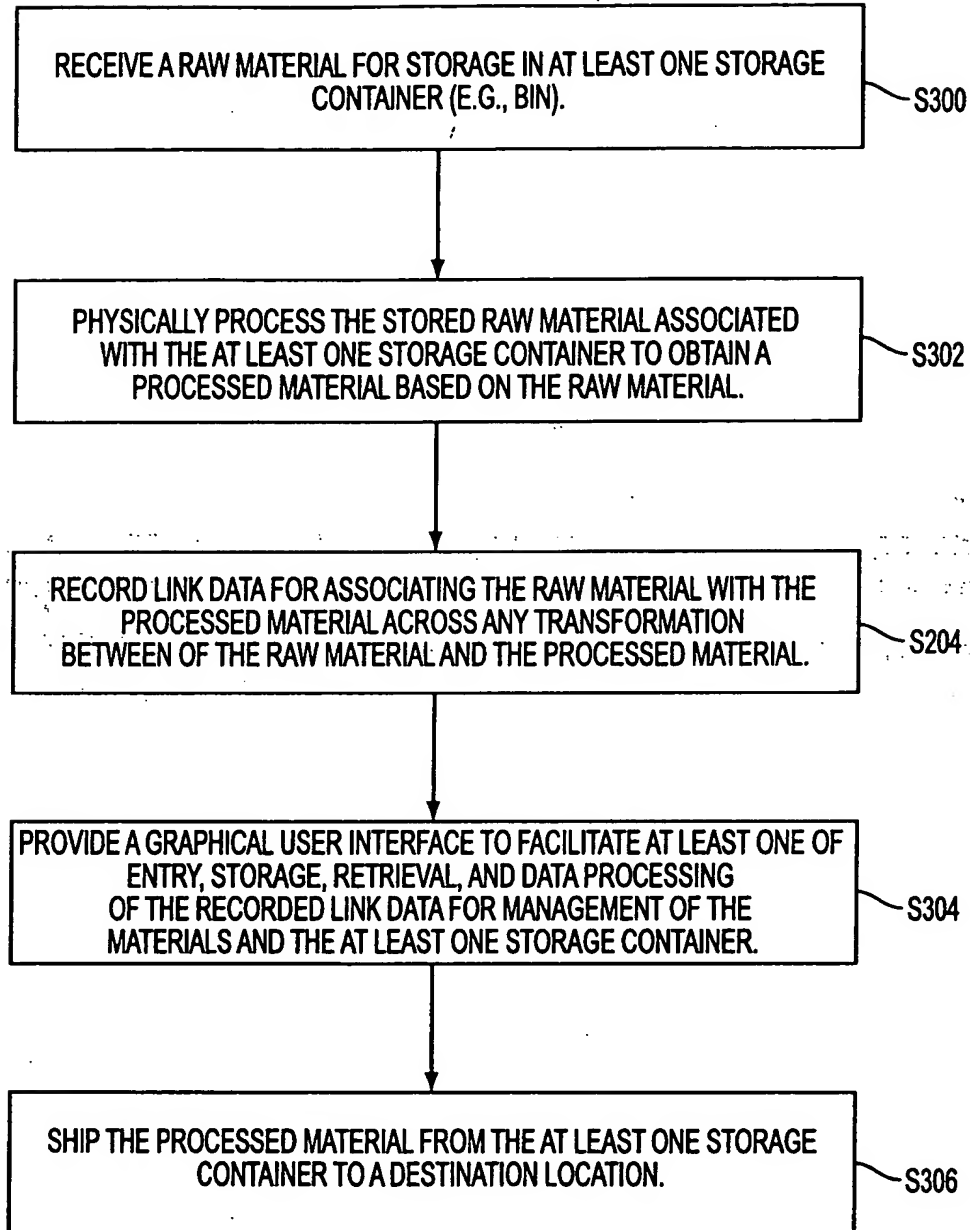


FIG. 3

4/17

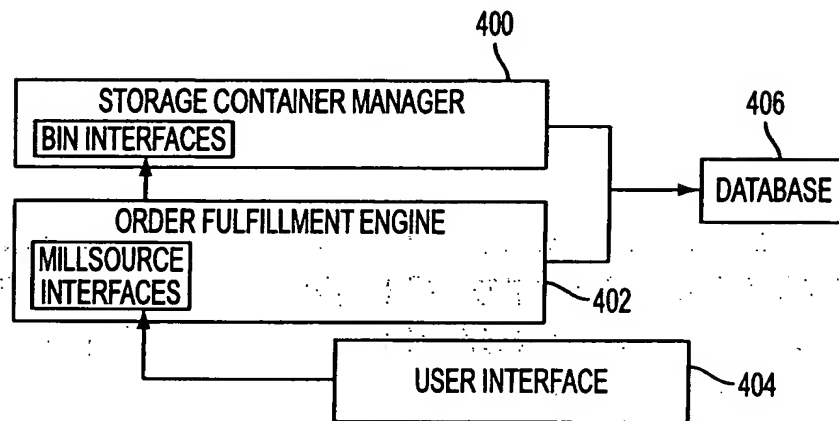


FIG. 4

5/17

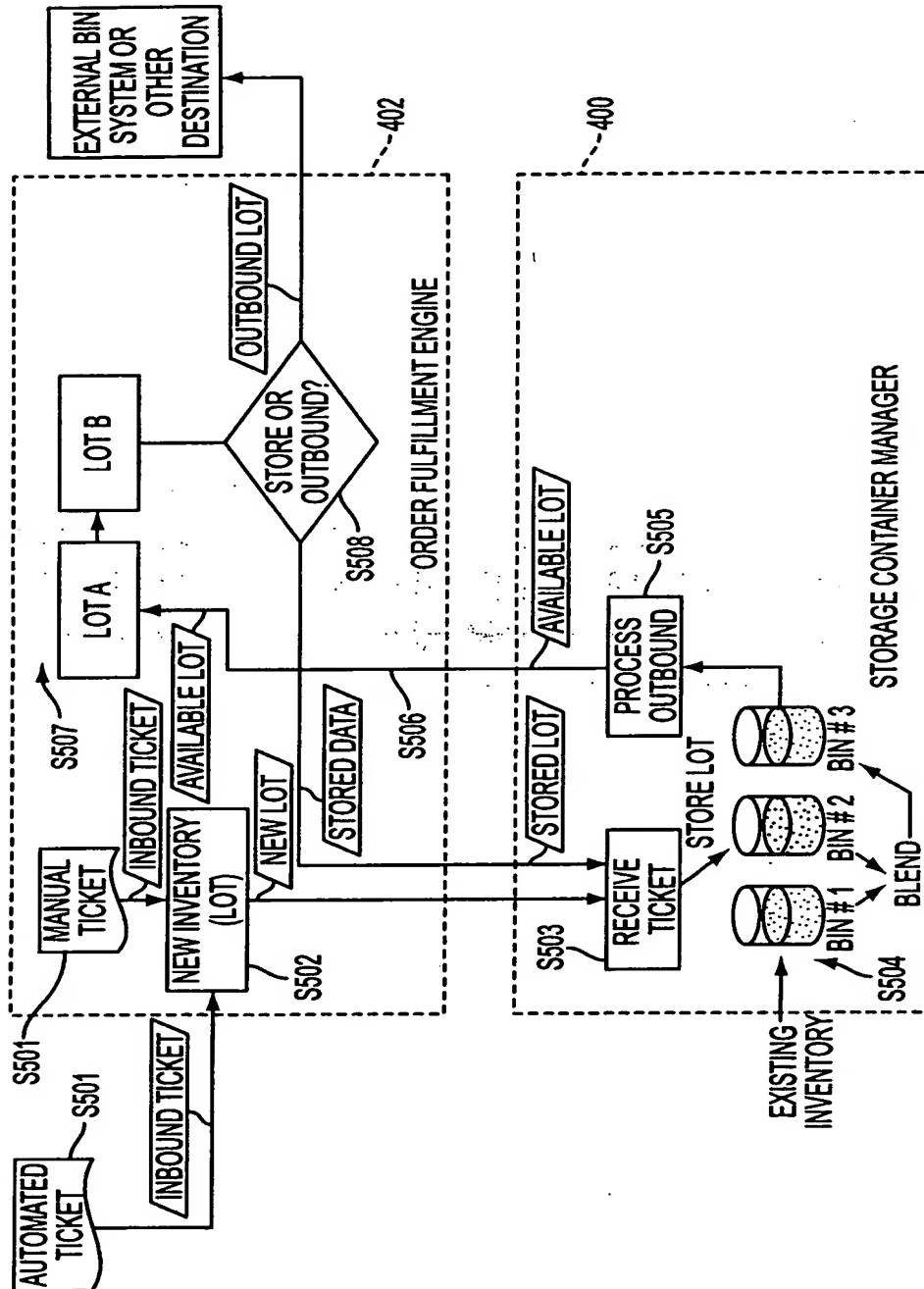


FIG. 5

6/17

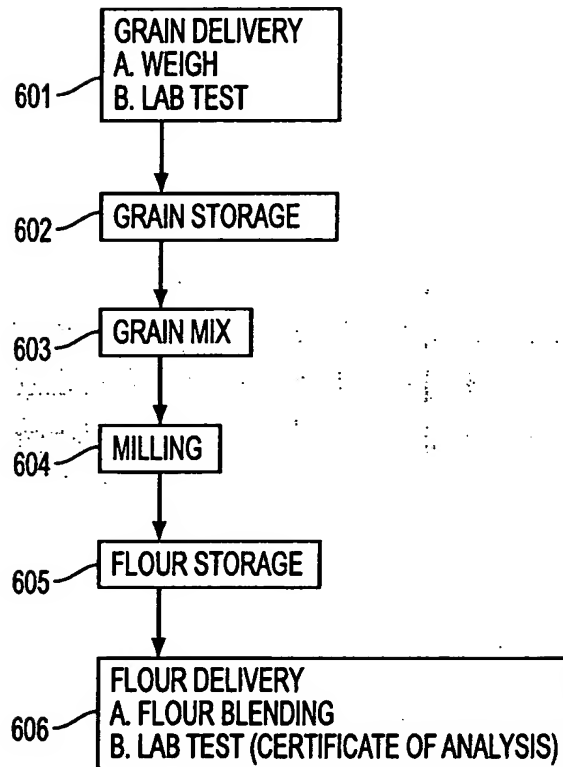


FIG. 6

7/17

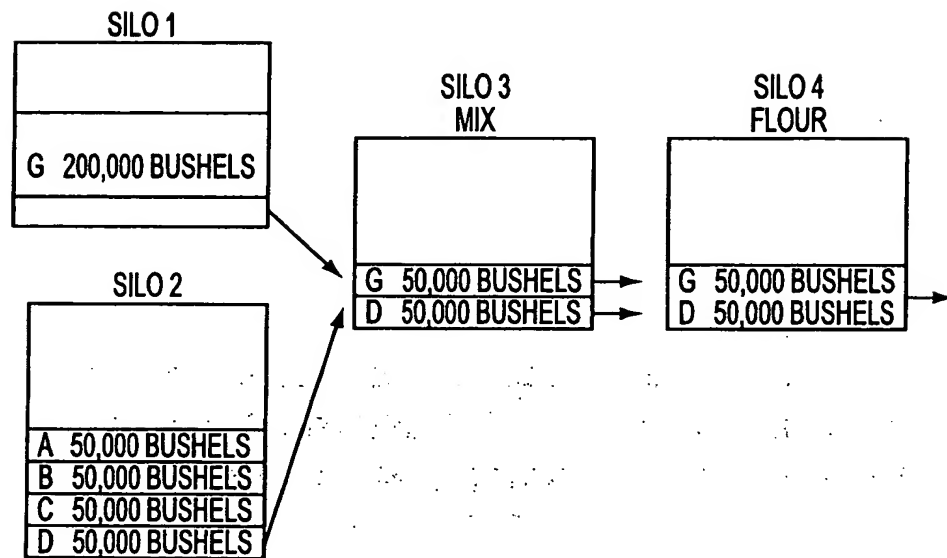


FIG. 7A

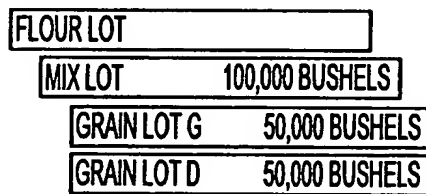


FIG. 7B

8/17

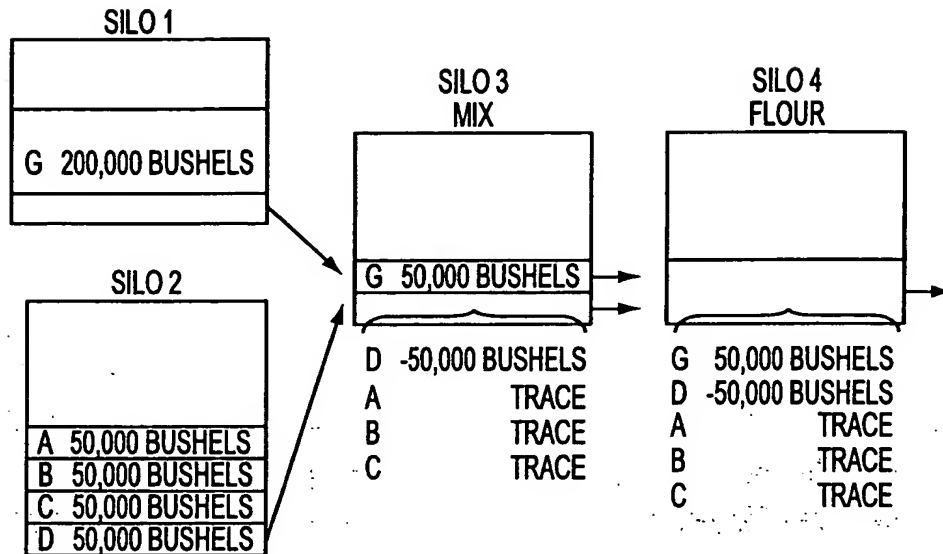


FIG. 8A

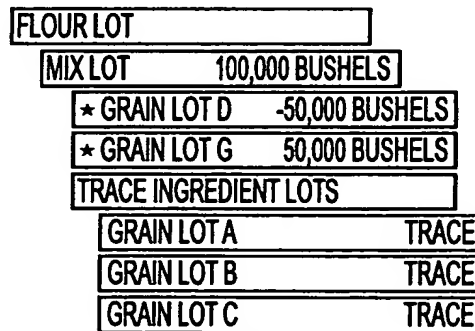


FIG. 8B



9/17

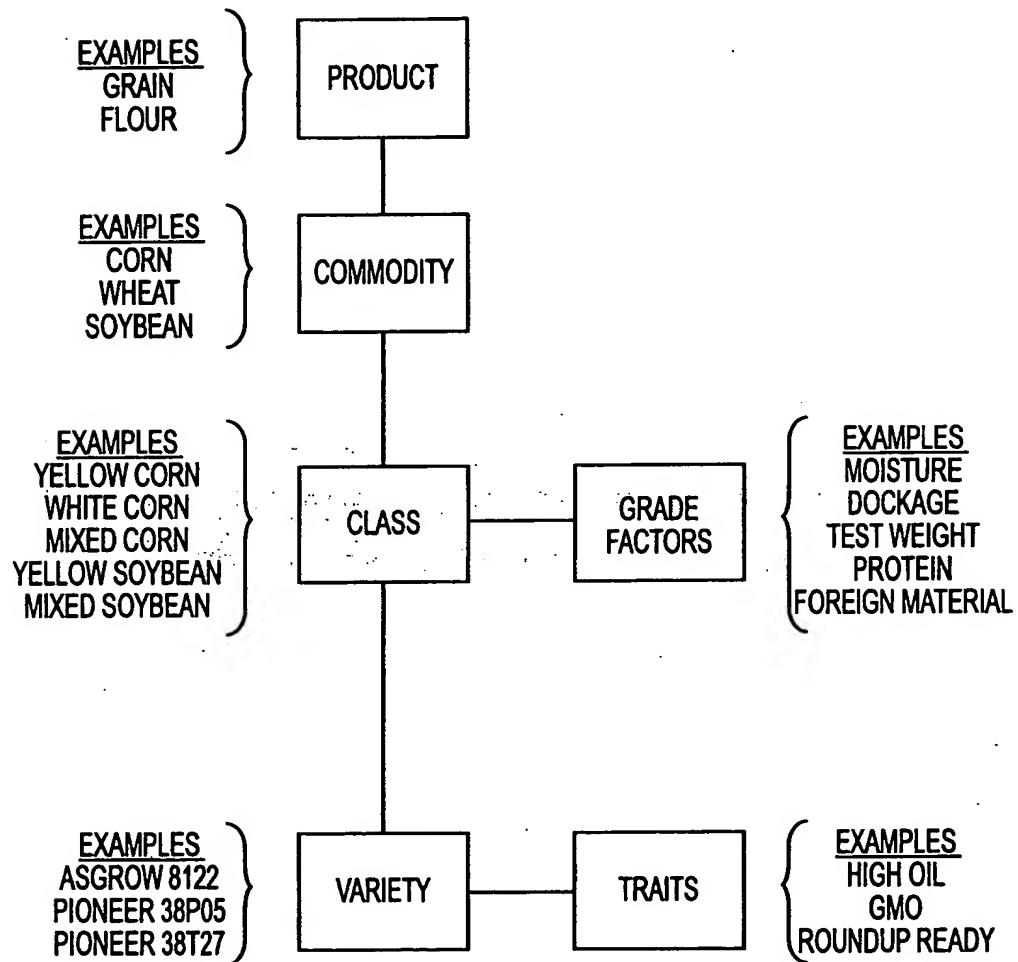


FIG. 9

**TITLE: COMPUTER-ASSISTED MANAGEMENT OF  
THE PROCESS OF AN AGRICULTURAL PRODUCT**  
**INVENTOR: David Alan Gaddis, et. al.**  
**DOCKET #: 16528                      /deb, mah**

10/17

FRENCH CLASS	PROTEIN	BAKING STRENGTH	HAGBERG FN (MIN)	Kg/hl (MIN)	MST (MAX)	SPROUTED GRAIN (MAX)	IMPURITIES (MAX)	BROKEN KERNELS (MAX)
'E' CLASS	>12%	>250	220	76	15	2%	2%	2%
CLASS 1	11-12.5%	160-250	220	76	15	2%	2%	2%
CLASS 2	10.5-11.5%	-	180	76	15	2%	2%	2%
CLASS 3(a)	<10.5%	-	-	74	15	2%	2%	2%
CLASS 3(b)	<10.5%	-	-	<74	15	2%	2%	2%

**FIG. 10**  
(PRIOR ART)

GRADE	TEST WEIGHT PER BUSHEL		DAMAGED KERNELS		MAXIMUM FOREIGN MATERIAL (PERCENT)	MAXIMUM SHRUNKEN AND BROKEN KERNELS (PERCENT)	MAXIMUM DEFECTS <sup>a/</sup> (PERCENT)	WHEAT OF OTHER CLASSES <sup>b/</sup>	
	MINIMUM HARD RED SPRING WHEAT OR WHITE CLUB WHEAT (POUNDS)	MINIMUM ALL OTHER CLASSES AND SUBCLASSES (POUNDS)	MAXIMUM HEAT-DAMAGE (PART OF TOTAL) (PERCENT)	MAXIMUM HEAT DAMAGE TOTAL (PERCENT)				MAXIMUM DIFFERENT CLASSES CONTENT (PERCENT)	MAXIMUM TOTAL OF DIFFERENT CLASSES CONTENT (PERCENT)
U.S. NO. 1	58.0	60.0	0.2	2.0	0.4	3.0	3.0	1.0	3.0
U.S. NO. 2	57.0	58.0	0.2	4.0	0.7	5.0	5.0	2.0	5.0
U.S. NO. 3	55.0	56.0	0.5	7.0	1.3	8.0	8.0	3.0	10.0
U.S. NO. 4	53.0	54.0	1.0	10.0	3.0	12.0	12.0	10.0	10.0
U.S. NO. 5	50.0	51.0	3.0	15.0	5.0	20.0	20.0	10.0	10.0

**U.S. SAMPLE GRADE:**

U.S. SAMPLE GRADE IS WHEAT THAT DOES NOT MEET THE REQUIREMENTS FOR THE GRADES U.S. NOS. 1, 2, 3, 4, OR 5; IS CONTAMINATED WITH FOREIGN MATTER ABOVE ACCEPTABLE LIMITS; DAMAGED BY INSECTS ABOVE ACCEPTABLE LIMITS; OR IS OTHERWISE OF LOW QUALITY.

<sup>a/</sup> INCLUDES DAMAGED KERNELS (TOTAL), FOREIGN MATERIAL, AND SHRUNKEN AND BROKEN KERNELS.

<sup>b/</sup> UNCLASSIFIED WHEAT OF ANY GRADE MAY CONTAIN NOT MORE THAN 10.0 PERCENT OF WHEAT OF OTHER CLASSES.

**FIG. 11**  
(PRIOR ART)

11/17

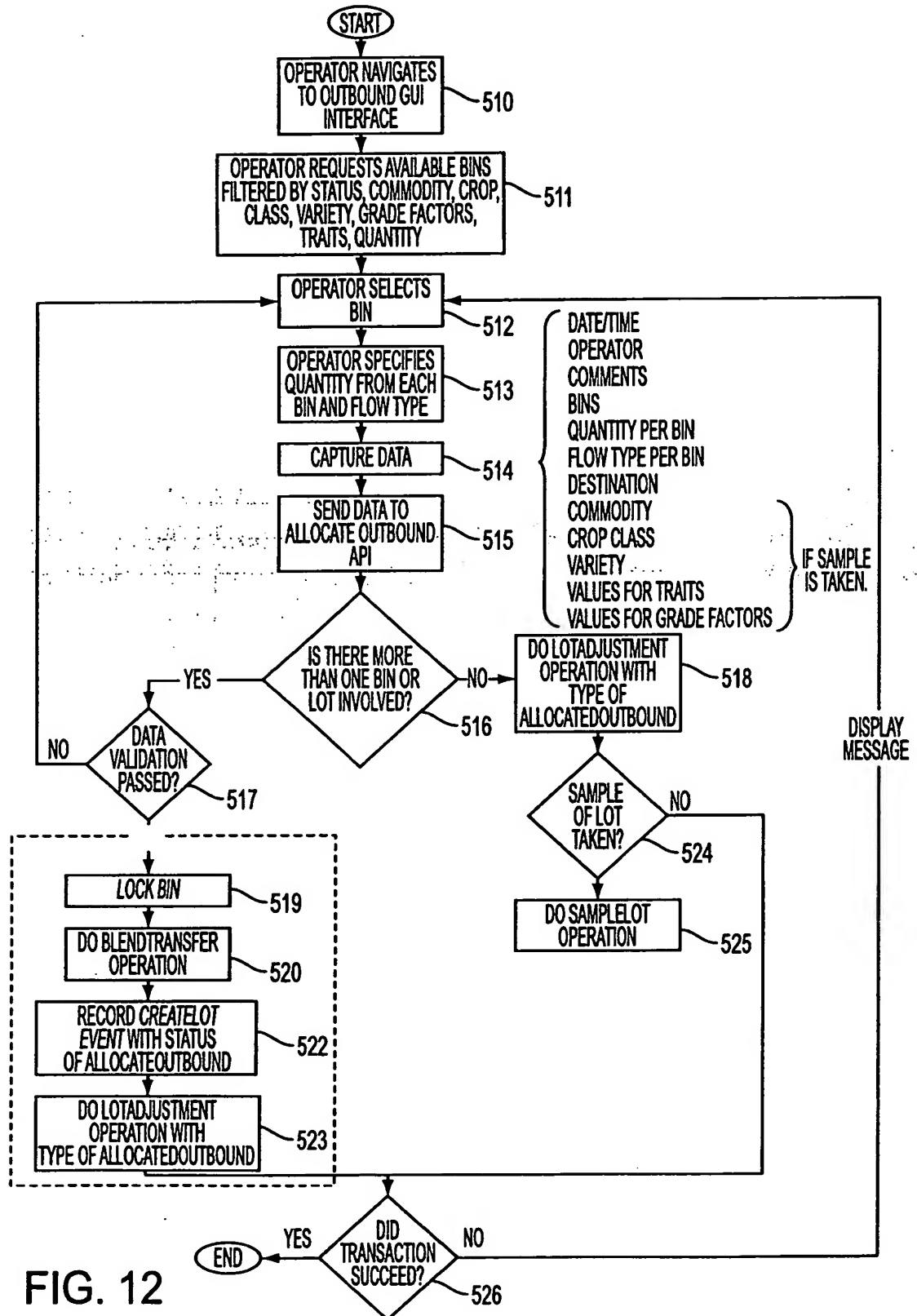


FIG. 12

12/17

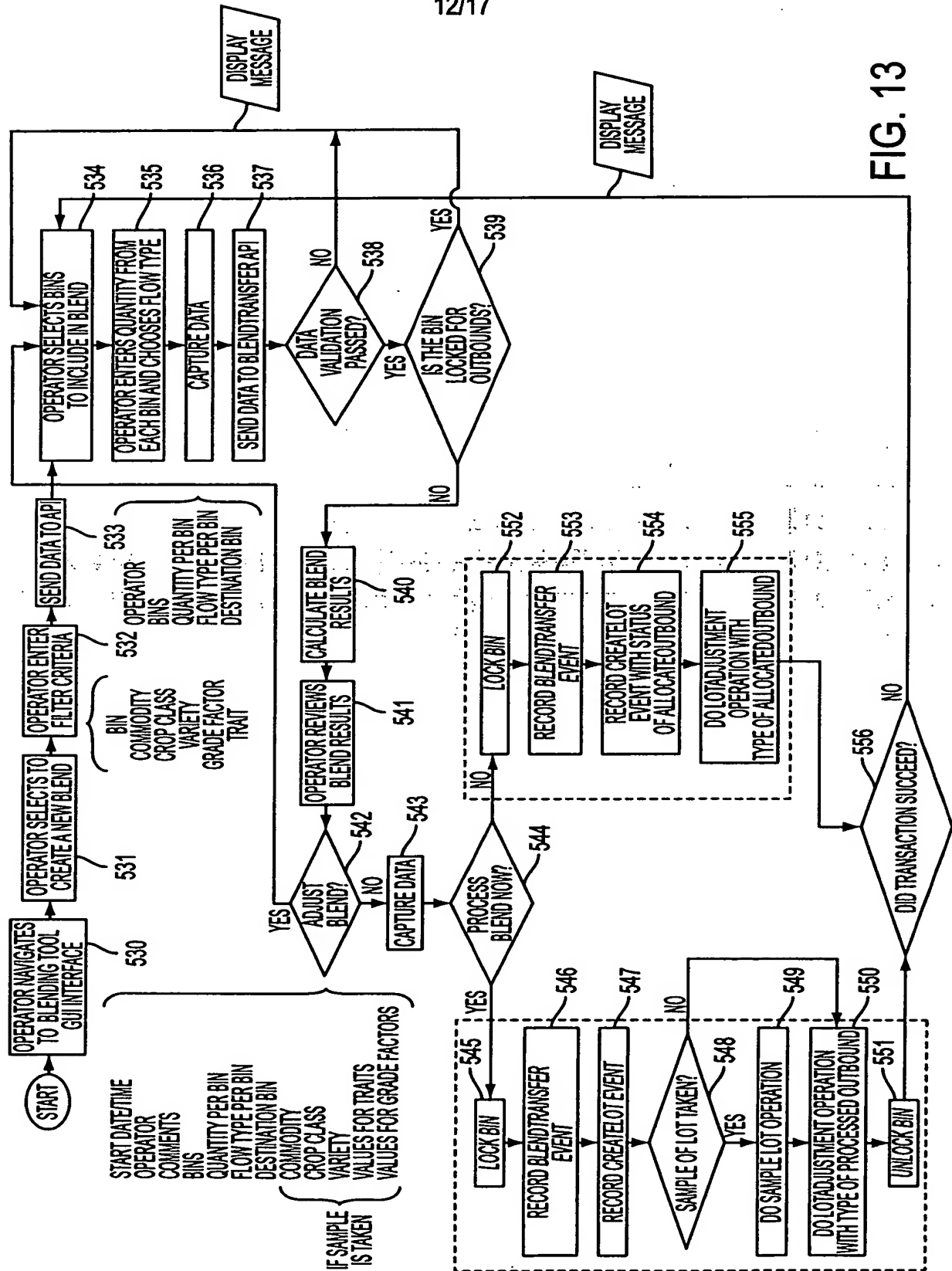


FIG. 13

13/17

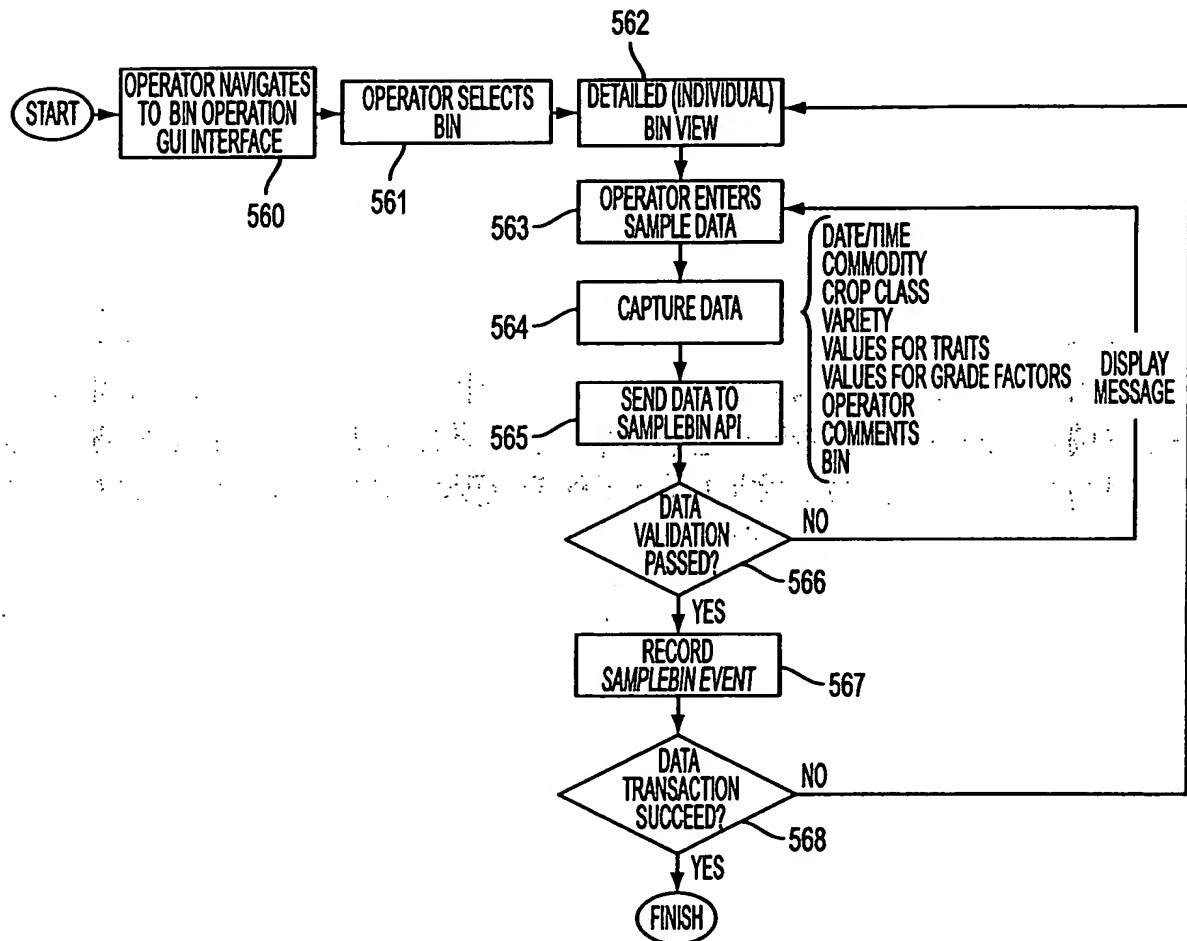


FIG. 14

14/17

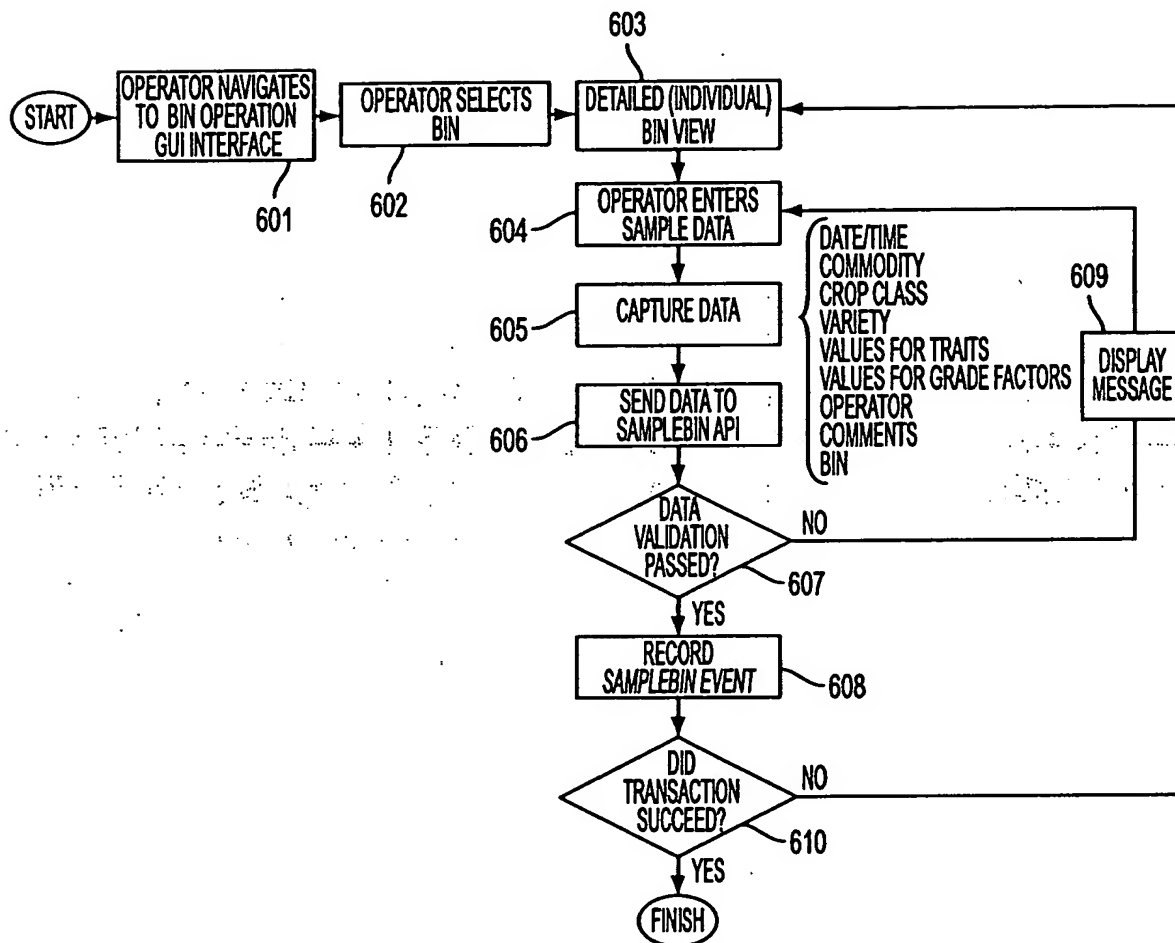


FIG. 15

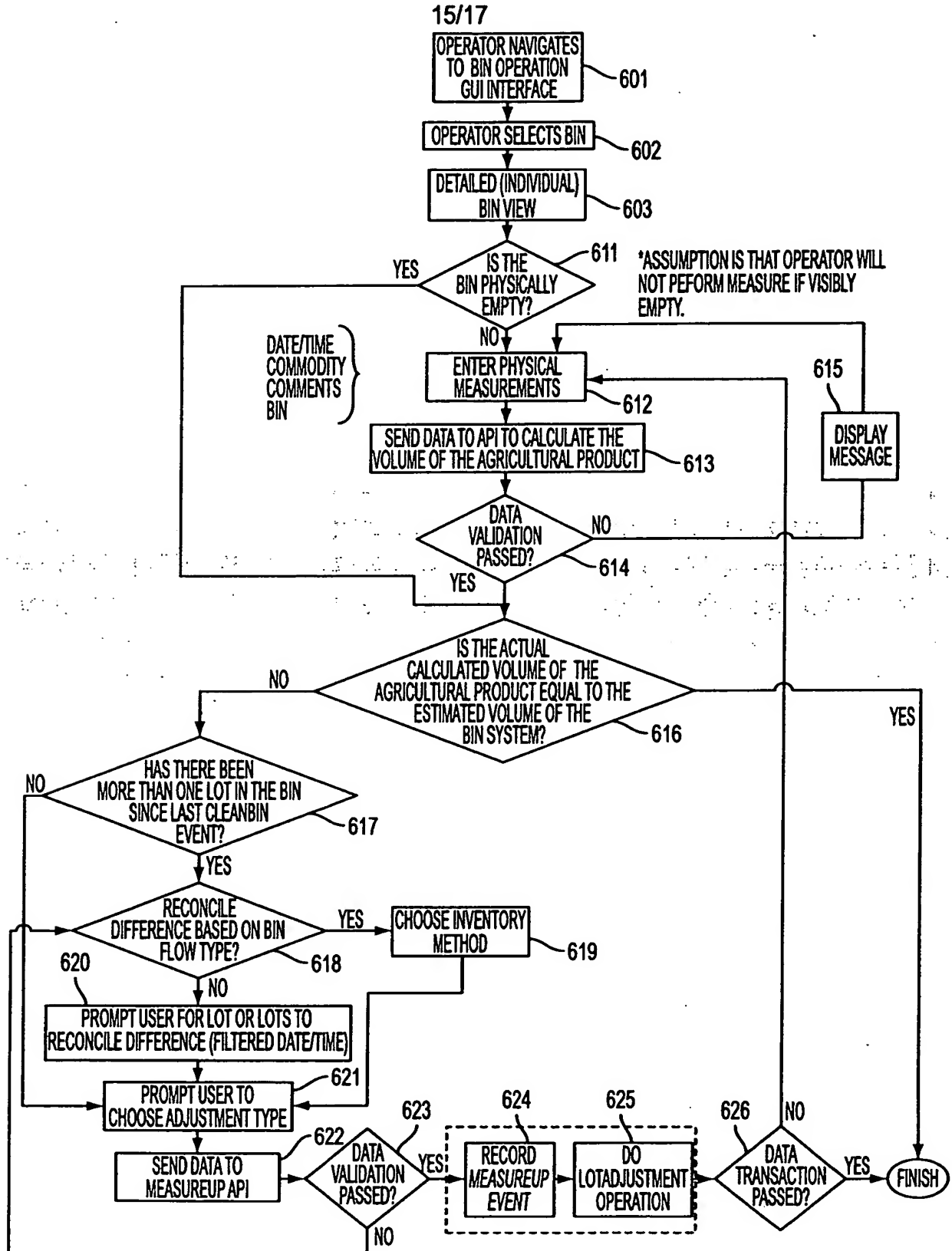


FIG. 16

TITLE: COMPUTER-ASSISTED MANAGEMENT OF  
THE PROCESS OF AN AGRICULTURAL PRODUCT  
INVENTOR: David Alan Gaddis, et. al.  
DOCKET #: 16528 /deb. mah

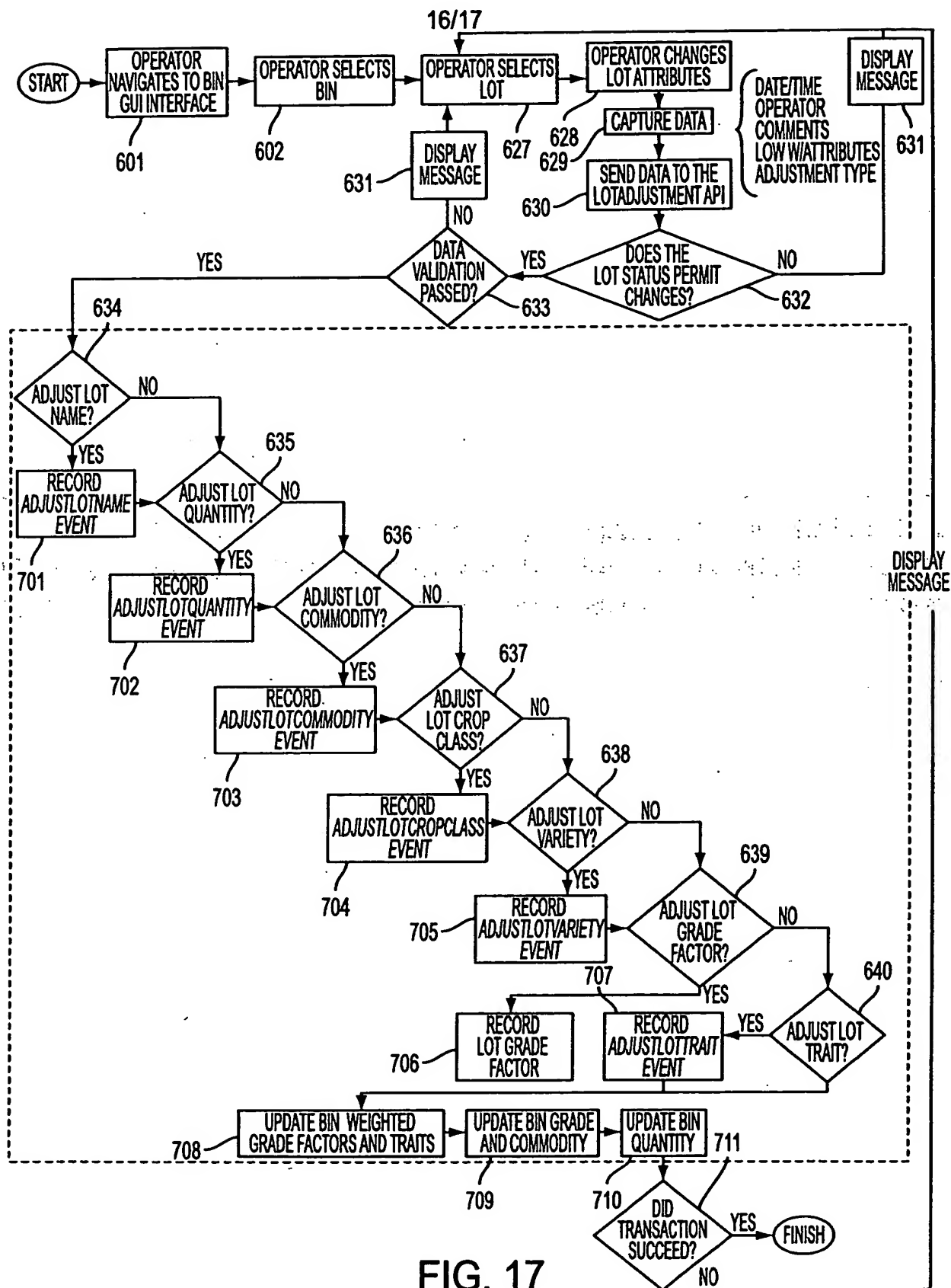


FIG. 17



17/17

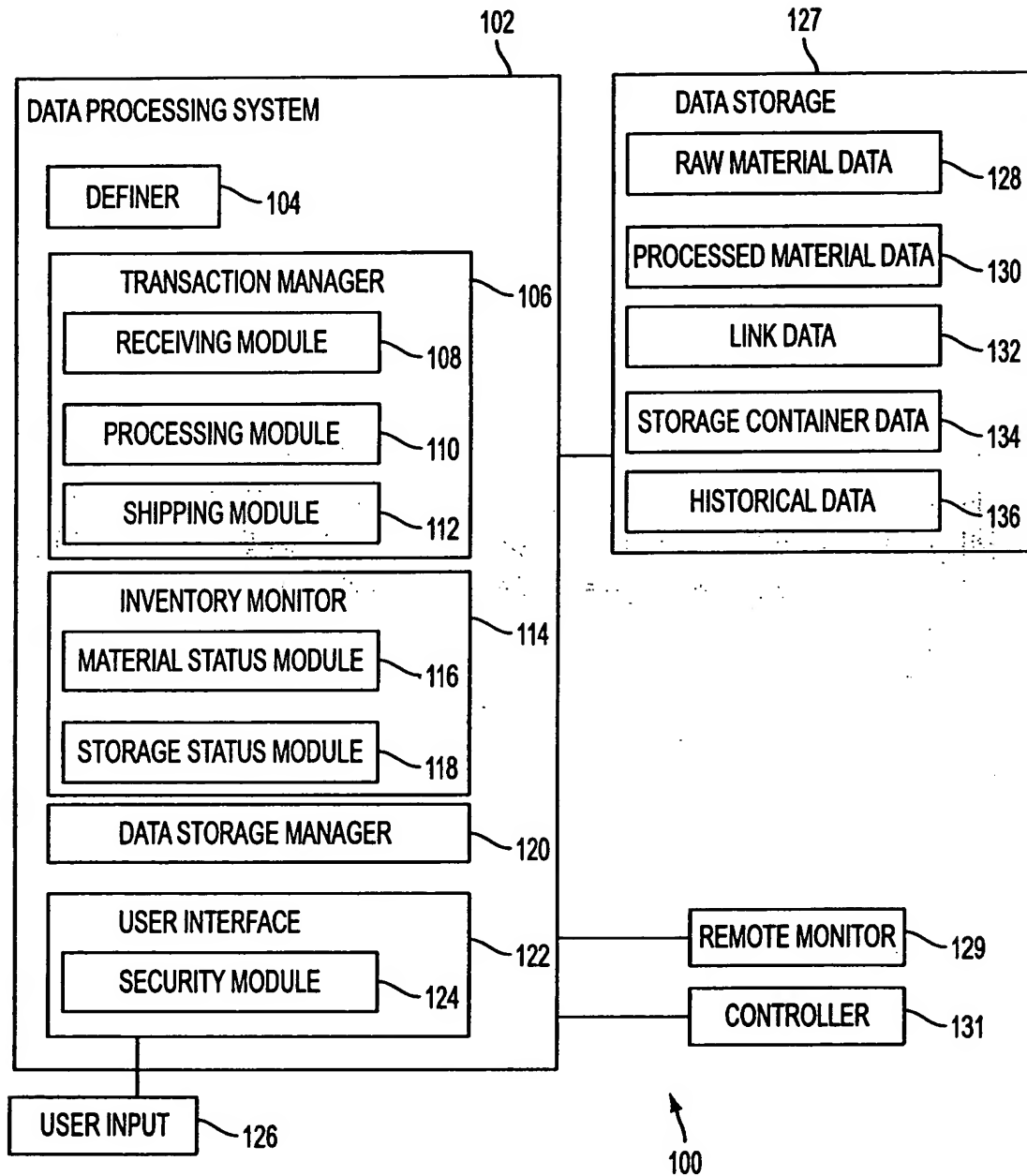


FIG. 18